

L7 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1982:472288 CAPLUS

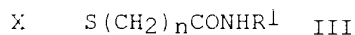
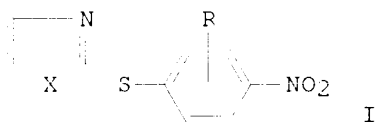
DOCUMENT NUMBER: 97:72288

TITLE: Synthesis of some new aryl- and
aralkylthiobenzoxazoles, -benzimidazoles and
-benzothiazoles of potential biological interestAUTHOR(S): Mahmoud, Abdalla M.; El-Ezbawy, Samia R.;
Abdel-Wahab,CORPORATE SOURCE: Aboel Magd A.; El-Sherief, Hassan A. H.
Fac. Sci., Assiut Univ., Assiut, EgyptSOURCE: Gazz. Chim. Ital. (1982), 112(1-2), 55-6
CODEN: GCITA9; ISSN: 0016-5603

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB Thioethers I (X = O, S, NH; R = H, 2-NO₂, 3-Cl, 3-Br) were obtained by
treating the heterocyclic thiols (II) with halonitrobenzenes. III [n =

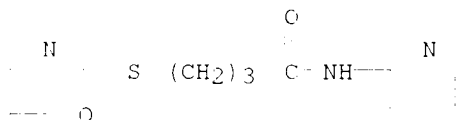
1, 3; R₁ = 2-pyridyl, 4-H₂NSO₂C₆H₄, 4-(2-pyridylaminosulfonyl)phenyl] were
similarly prepd. from II and Cl(CH₂)_nCONHR₁. I and III have bactericidal
activity, particularly against gram-neg. organisms.

IT 81958-30-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 81958-30-7 CAPLUS

CN Butanamide, 4-(2-benzoxazolylthio)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



L7 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1981:569076 CAPLUS

DOCUMENT NUMBER: 95:169076

TITLE: Synthesis and biological activities of some new
2-(N-heterocyclic carboxamidomethyl

thio)benzoxazoles,

benzthiazoles and benzimidazoles. Part VIII

AUTHOR(S):

Mahmoud, A. M.; El-Sherief, H. A.; Abdel-Rahman, A.

E.

CORPORATE SOURCE:

Fac. Sci., Assiut Univ., Assiut, Egypt

SOURCE:

Eur. J. Med. Chem. - Chim. Ther. (1981), 16(4), 383-4

CODEN: EJMCA5; ISSN: 0009-4374

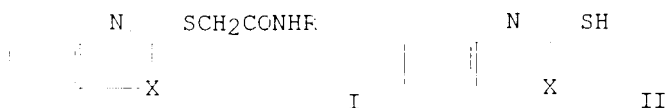
DOCUMENT TYPE:

Journal

LANGUAGE:

English

GI



AB Title compds. I [R = 2-thiazolyl, 4-phenyl-2-thiazolyl, 4-(p-bromophenyl)-2-thiazolyl, 4-(p-methoxyphenyl)-2-thiazolyl, 4-(p-tolyl)-2-thiazolyl, 5-ethoxycarbonyl-4-methyl-2-thiazolyl, 2-benzothiazolyl, 2-pyridyl, 3-pyridyl, 2,3-dimethyl-1-phenyl-4-pyrazolinonyl; X = O, S, NH] were prepd. by condensing II with ClCH₂CONHR.

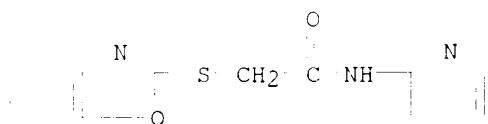
I showed antimicrobial activity at 1 .times. 10⁻⁴ M.

IT **79420-06-7P 79420-07-8P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

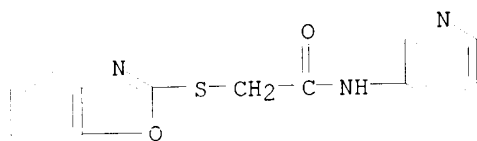
FN 79420-06-7 CAPLUS

CN Acetamide, 2-(2-benzoxazolylthio)-N-2-pyridinyl- (9CI) (CA INDEX NAME)

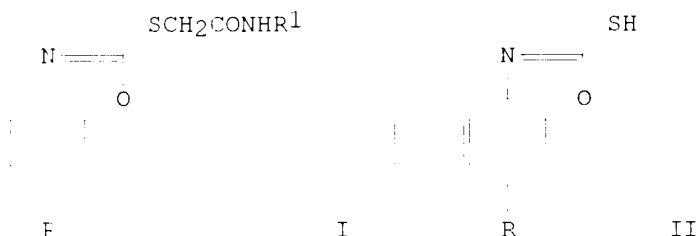


FN 79420-07-8 CAPLUS

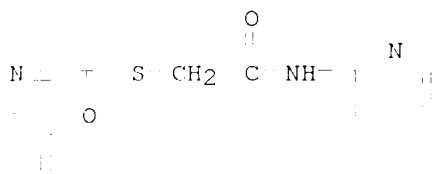
CN Acetamide, 2-(2-benzoxazolylthio)-N-3-pyridinyl- (9CI) (CA INDEX NAME)



L7 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2001 ACS
 ACCESSION NUMBER: 1981:442967 CAPLUS
 DOCUMENT NUMBER: 95:42967
 TITLE: Synthesis and biological activities of some new
 2-(N heterocyclocarboxamidomethylthio)naphth[1,2-
 d]oxazoles. Part VI
 AUTHOR(S): Abdel Rahman, A. E.; El-Sherief, H. A.; Mahmoud, A.
 M.
 CORPOFATE SOURCE: Fac. Sci., Assiut Univ., Assiut, Egypt
 SOURCE: J. Indian Chem. Soc. (1981), 58(2), 171-3
 CODEN: JICSAH; ISSN: 0019-4522
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI

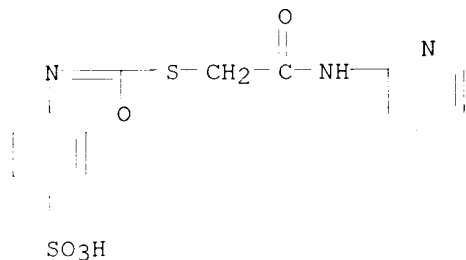


AB Naphthoxazoles I [R = H, SO₃H; R¹ = (un)substituted thiazole, 2-,
 3-pyridinyl, 4-phenazonyl] were prepd. by treating II with ClCH₂CONHR¹.
 Bactericidal and fungicidal activities of I were given.
 IT **78205-06-8P 78205-15-9P 78205-16-0P**
 EL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn., fungicidal, and bactericidal activity of)
 FN 78205-06-8 CAPLUS
 CN Acetamide, 2-(naphth[1,2-d]oxazol-2-ylthio)-N-2-pyridinyl- (9CI) (CA
 INDEX NAME)



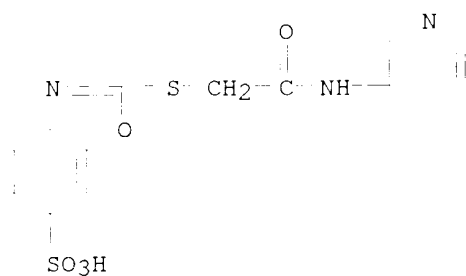
FN 78205-15-9 CAPLUS

CN Naphth[1,2-d]oxazole-5-sulfonic acid, 2-[[2-oxo-2-(2-pyridinylamino)ethyl]thio]- (9CI) (CA INDEX NAME)



RN 78205-16-0 CAPLUS

CN Naphth[1,2-d]oxazole-5-sulfonic acid, 2-[[2-oxo-2-(3-pyridinylamino)ethyl]thio]- (9CI) (CA INDEX NAME)



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Preparation:

PRE

Start: BRN=3604755 C7H7ClN2O, BRN=3666054 1H-naphtho<1,2-d>oxazole-2-thione

Reag: KOH

Time: 30 min

Solv: ethanol

Heating

Reference(s):

1. Abdel Rahman, A. E.; El-Sherief, H. A.; Mahmoud, A. M., J.Indian Chem.Soc., 58 <1981>, 171-173, LA: EN, CODEN: JICSAH

Beilstein Reg. No. (BRN): 6740826 Beilstein

Molecular Formula (MF): C18 H13 N3 O2 S

Autonom Name (AUN): 2-(3-oxa-1-aza-cyclopenta<a>naphthalen-2-ylsulfanyl)-N-pyridin-3-yl-acetamide

Beilstein Reference (SO): 6-27

Formula Weight (FW): 335.38

Lawson Number (LN): 31037; 27378; 1774

